

Field Instructions for AirFlare Detector

Configure Detector for Search

1. Gather information about Search Subject. (Name, Cell Phone, Age, Email). Search by cellular number when possible.
2. Search Registry (Field Console Main Menu → Search Registry. Must be connected to Wi-Fi or Cellular network).
3. **If subject in Registry:**
 - a. Download AFID. (Select profile from Registry search results → “Download?”)
 - i. Location Return push notification automatically sent to subject phone. Periodically monitor for Location Return response. (Field Console Main Menu → Search History)
 - b. AFID and Location Return coordinates auto shared with search team. (Field Console → Search History).
 - c. Install AFID. (Field Console → Local AFIDs. Field Console must be connected to Detector Admin network).
 - d. Optional: ✓ to ensure Search Network broadcast by Detector contains Subject first name. (Phone WiFi Settings).
4. **If subject does not exist in Registry:**
 - a. Interview emergency contact for WiFi address known or suspected to be on lost subject’s phone (home | work | coffee shop). Network Name mandatory. Password nice to have.
 - b. Configure Detector to search non-AirFlare WiFi network. (Field Console → Manage Detector).
 - c. Optional: ✓ to ensure Search Network broadcast by Detector is correct. (Phone WiFi Settings).

Conduct Search (Searcher has Field Console and is trained in AirFlare Search Tech)

1. Detector battery lasts 4-5 hrs max. Carry Aux power supply if needed.
2. Ensure Detector GPS calibrated. (Status bar Green with text: “GPS Assist Started” or “Ready”).
3. Push “Start Recording” – ensure Detector is carried GPS outward and in a location beeper can be heard.
4. Conduct Search. While recording, periodically check Field Console home screen upper right below status bar for letters “Det” (for Detection) or “Fix” (for Subject Fix).
5. If Detector Beeps:
 - a. Report location to Incident Command: “Subject is in vicinity.” (Field Console Main Menu → GPS Coordinates).
 - b. If subject coordinates are not immediately returned, use Detector homing feature (frequency of beep increases).
 - c. Periodically check for subject GPS coordinates. (Status bar text “Recording: # Subject Fixes” AND “Fix” appears below status bar). To retrieve coordinates: Field Console Main Menu → GPS Coordinates OR click status bar.
6. Upon search end push “Stop Recording.” ALWAYS CHECK VIEW RECORDING SCREEN FOR MISSED DETECTIONS.

Instructions for Ground Searchers Carrying Detectors Who Do Not Have Field Console

1. Detector is configured by SAR personnel with Field Console (Operator) - e.g. at Incident Command - and distributed to a searcher who does not have Field Console.
2. If Detector will be out > 4 hrs Operator should provide an auxiliary power supply.
3. Operator should ensure Detector GPS is calibrated (status bar Green with text: “Ready”) and push “Start Recording” prior to distributing to searcher.
4. Operator should provide instructions to searcher:
 - a. Carry Detector where beep can be heard. (Field Console Main Menu → Manage Detector → “Test Beeper”).
 - b. If Detector beeps during search:
 - i. Searcher to immediately communicate GPS location to Incident Command.
 - ii. Searcher to conduct voice check. Search Subject is within half mile.
 - iii. Detector beep frequency can be used as homing mechanism.
5. At conclusion of search, searcher returns Detector to Operator:
 - a. Operator should connect to Detector via Field Console and push “Stop Recording”
 - b. Operator should ALWAYS check View Recording screen in Field Console to ensure a Detection (a beep) was not missed during the search.

View Search Results

1. Each Recording produces a KML file (Detections + GPS Tracks + Location Captures) and a GPX file (GPS tracks only)
 - a. View search results on Search Phone with Field Console installed using GIS app (Google Earth recommended)
 - b. Use “Share” feature to send search results to a colleague or to be opened on another device